Eoptolink’s SFP56 50G transceiver module is designed for use in 50 and 25 Gigabit Ethernet links up to 100m over OM4 and 70m over OM3 multi-mode fiber. The module operating at 53.125Gbps, 25.78Gbps or 10.3125Gbps. This transceiver consists of a transmitter/receiver unit operating on 850nm wavelength. The transmitter path of the module incorporates a bi-directional PAM4 and NRZ re-timer ASIC integrated with a modulator driver and an externally modulated laser. On the receiver path, there is a photodiode and linear TIA, along with the PAM4 and NRZ re-timer. The electrical interface of the module is compliant with the 50GAUI-1 interface as defined by IEEE 802.3cd, the 25GAUI interface as defined by IEEE802.3by, the SFP+ interface as defined by SFF-8431.

**Features**

- Supports 53.125Gbps, 25.78125Gbps and 10.3125Gbps
- 850nm VCSEL transmitter
- Single 3.3V power supply
- Power dissipation:
  - Commercial version < 1.5W
- Up to 100m over OM4 and 70m over OM3
- 26.5625GBd (PAM4), 25.78Gbps(NRZ) or 10.3125Gbps(NRZ) electrical interface
- Duplex LC Connector Interface, Hot Pluggable

- Commercial case temperature range of 0°C to 70°C
- Safety Certification: TUV/UL/FDA¹
- RoHS Compliant

**Applications**

- 50GBASE-SR
- 25GBASE-SR
- 10G application

**Ordering Information**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Data Rate</th>
<th>Fiber</th>
<th>Distance*²</th>
<th>Interface</th>
<th>Temp.</th>
<th>DDMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOLP-8550G-02-N</td>
<td>53.125Gbps</td>
<td>OM4/OM3</td>
<td>100m/70m</td>
<td>Duplex LC</td>
<td>0→70°C</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>25.78125Gbps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.3125Gbps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹: For the latest certification information, please check with Eoptolink.
²: Over MMF
*The product image is only for reference purpose.
Quality

Eoptolink Technology has passed many quality system verifications, established an internationally standardized quality assurance system and strictly implemented standardized management and control in the course of design, development, production, installation and service. For latest certification/accreditation numbers, please, contact us.

Notice

Eoptolink reserves the right to make changes or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only. Eoptolink makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Eoptolink Technology Inc., Ltd.

Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Tel: +86-028-6708 7983 (HQ); +86-028-6708 7999
Fax: +86-028-6708 7979
Email: sales@eoptolink.com
http://www.eoptolink.com/